



Site Plan 1:500

IDEA

PROJECT NAME: Porous tree house

MANIFESTO [1 paragraph summary]:

The concept behind this design is to create a unique and interesting place for students and young professionals to live, which is environmental, affordable, and vibrant as well as engages with the community. Passive design principles and recycled materials have been utilised to achieve this as well as having large catchment areas to obtain rain water which will be used to toilets for the site as well as the surrounding community.

AREA OF INNOVATION: Elevated living & and façade treatment

HOUSING DWELLING TYPOLOGY[S]: the majority of the units in this design are split level 2 bed units which can be modified to a single bed apartment as well as a stand alone studio. Other housing types include a separate studio apartment and a dorm style living with can house up to 6 people.

DWELLING COUNT: between 300 – 450 depending on the mode of ownership and living model.

BED COUNT: 600 when the whole development is at maximum capacity.

FUNDING MODEL: developer funded.

OWNERSHIP / OCCUPATION MODEL: lease – but the tenants who work on site and contribute to the overall community get a subsidy towards their expenses.

SHARED FACILITIES: gym, car park, shops, park and bbq areas.

CAR SPACES: 400 underneath the site. (this number is subject to change as the site is already currently excavated, if however the client does not want this many car spaces the area can be filled in, but this will be similar in cost to the car spaces).

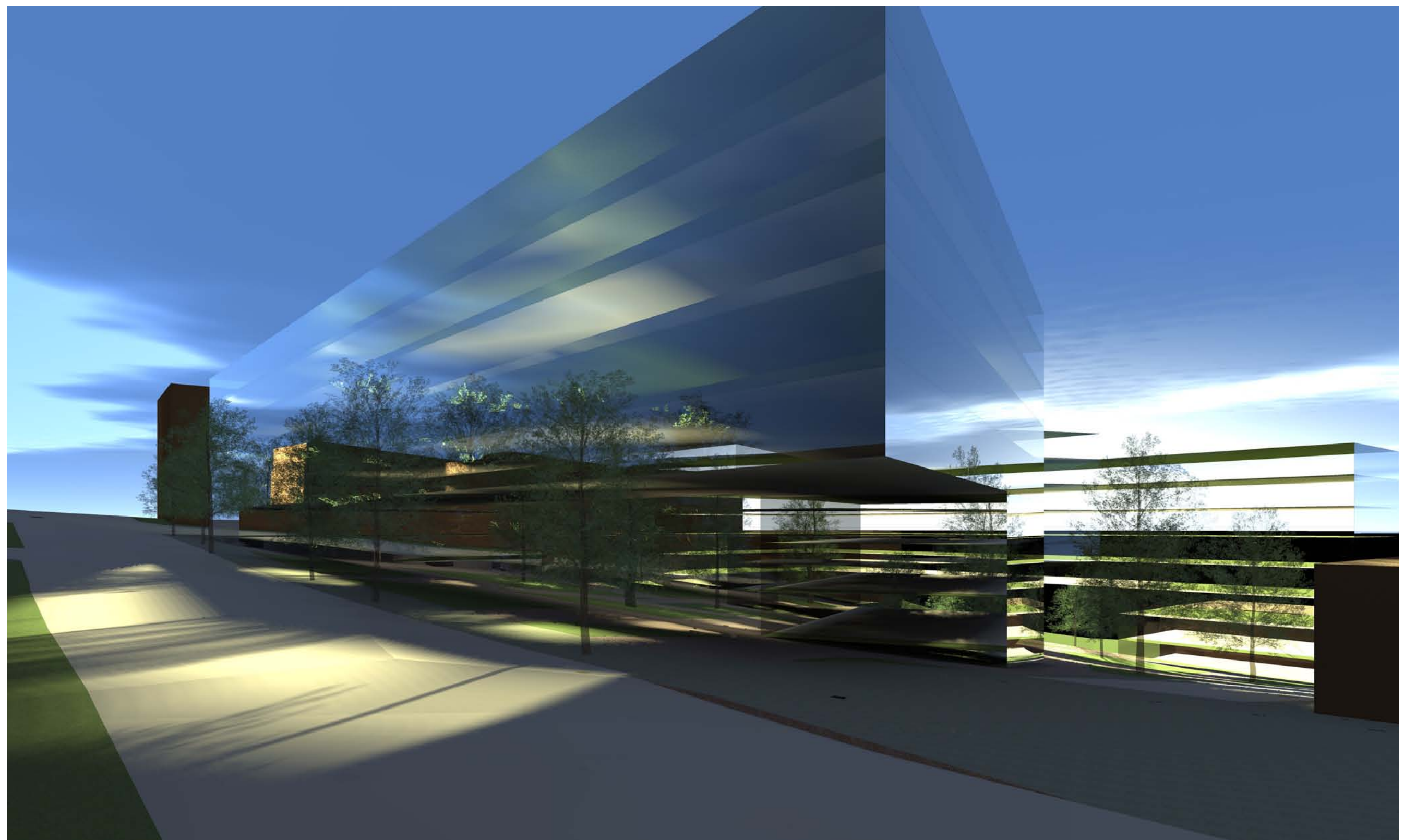
CONSTRUCTION

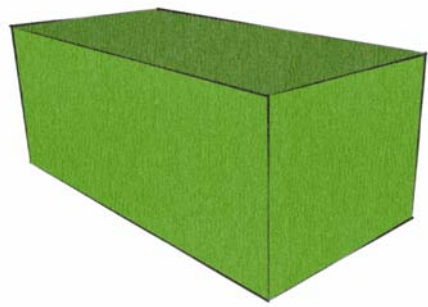
STRUCTURAL SYSTEM[S]: precast concrete blocks and panels
CLADDING SYSTEM[S]: recycled PVC pipe as well as recycled timber shutters.

METRICS

SITE AREA [sqm]: 8175
Building[s] footprint [sqm]: 2100
Public space at grade [sqm]: 6075
Common space at grade [sqm]: 2100
Private space at grade [sqm]: 0
SITE COVERAGE[sqm]: 2100
SITE COVERAGE RATIO - BUILDING FOOTPRINT / SITE AREA: 0.25

Residential Floor area [sqm]: 20,945

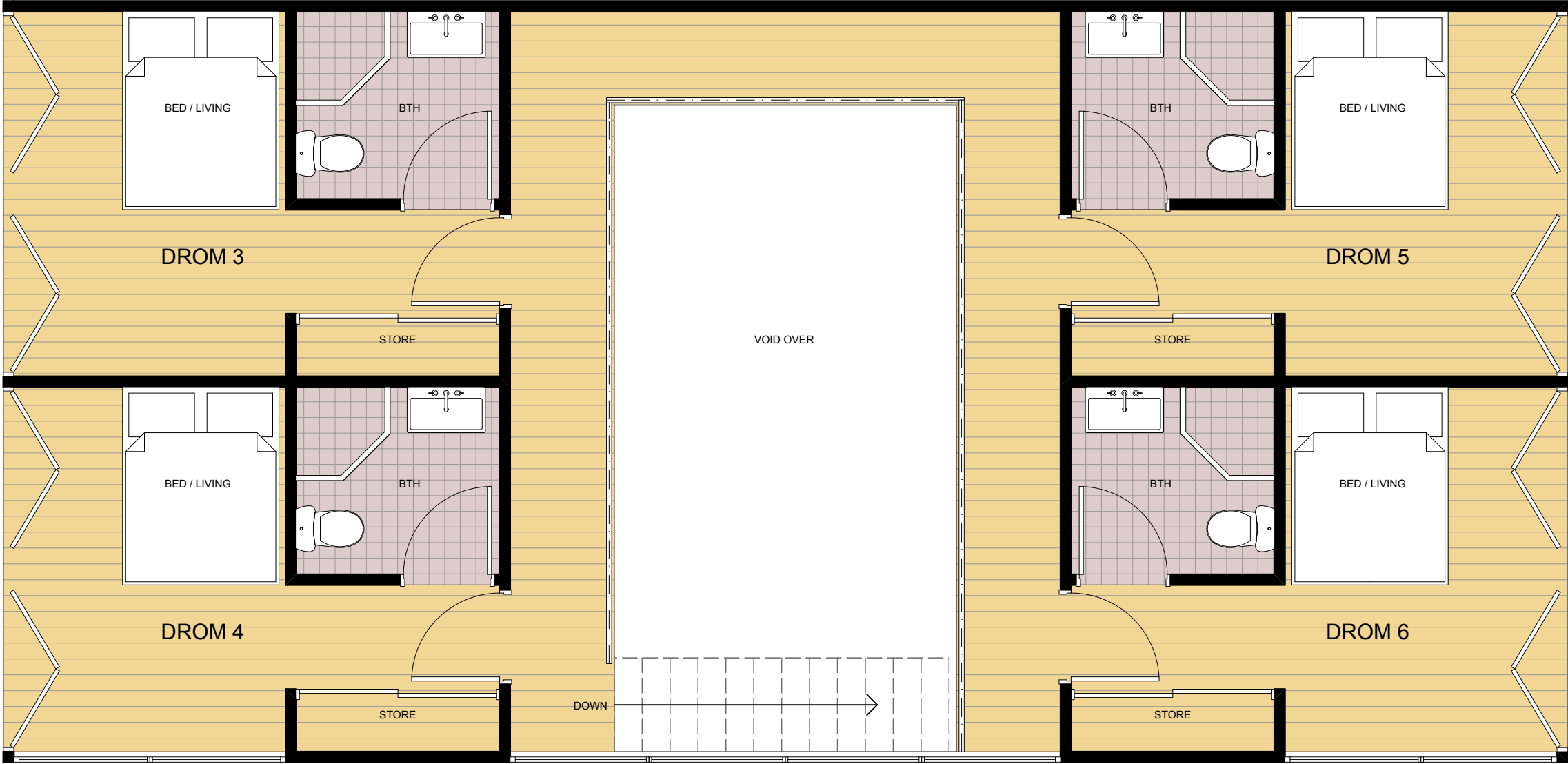




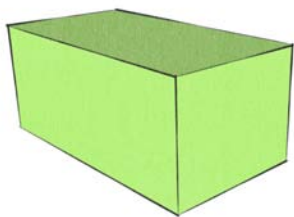
Dorm Apartment



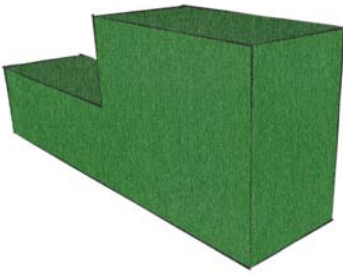
Lower Floor 1:50



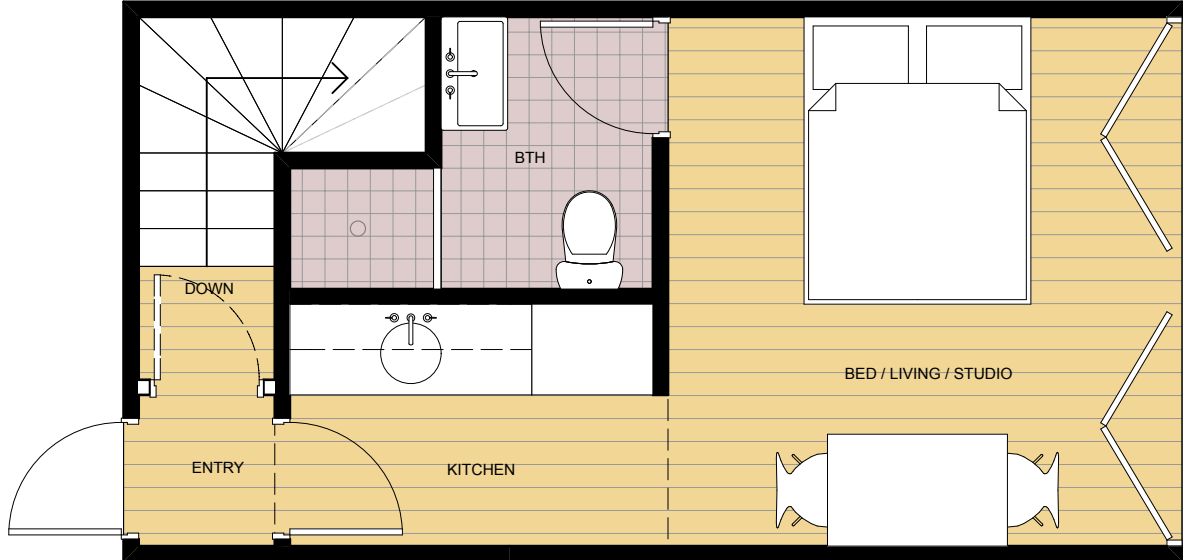
Upper Floor 1:50



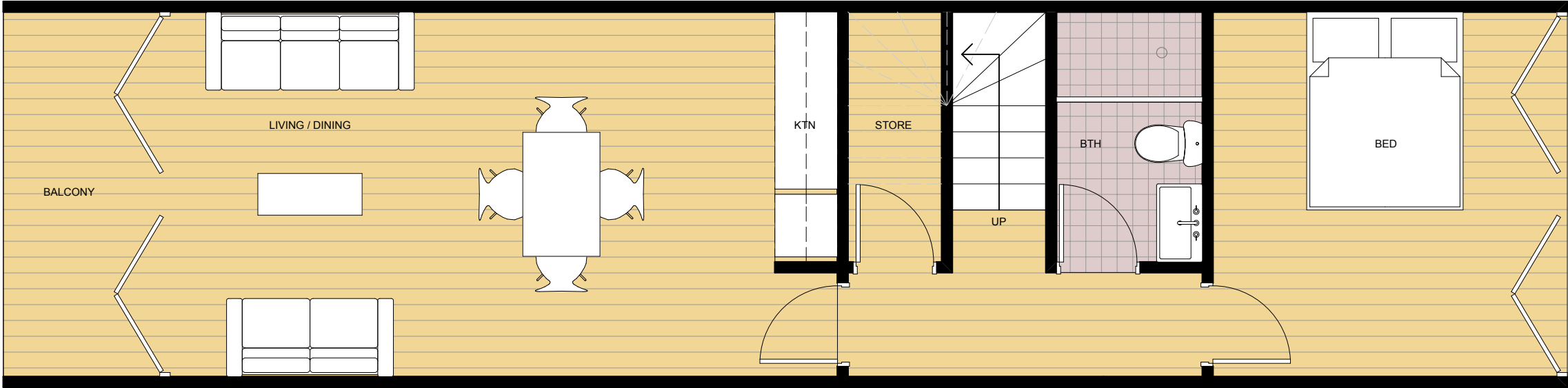
Studio Apartment



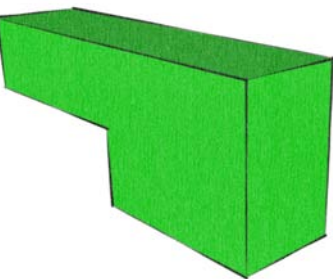
2 Bed Apartment OR 1 Bed / Studio type 1



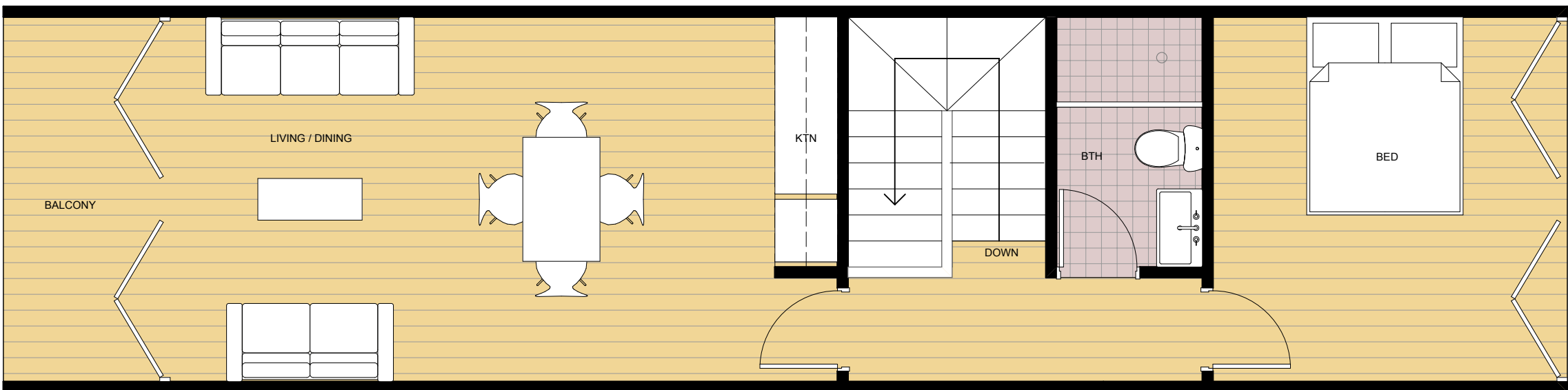
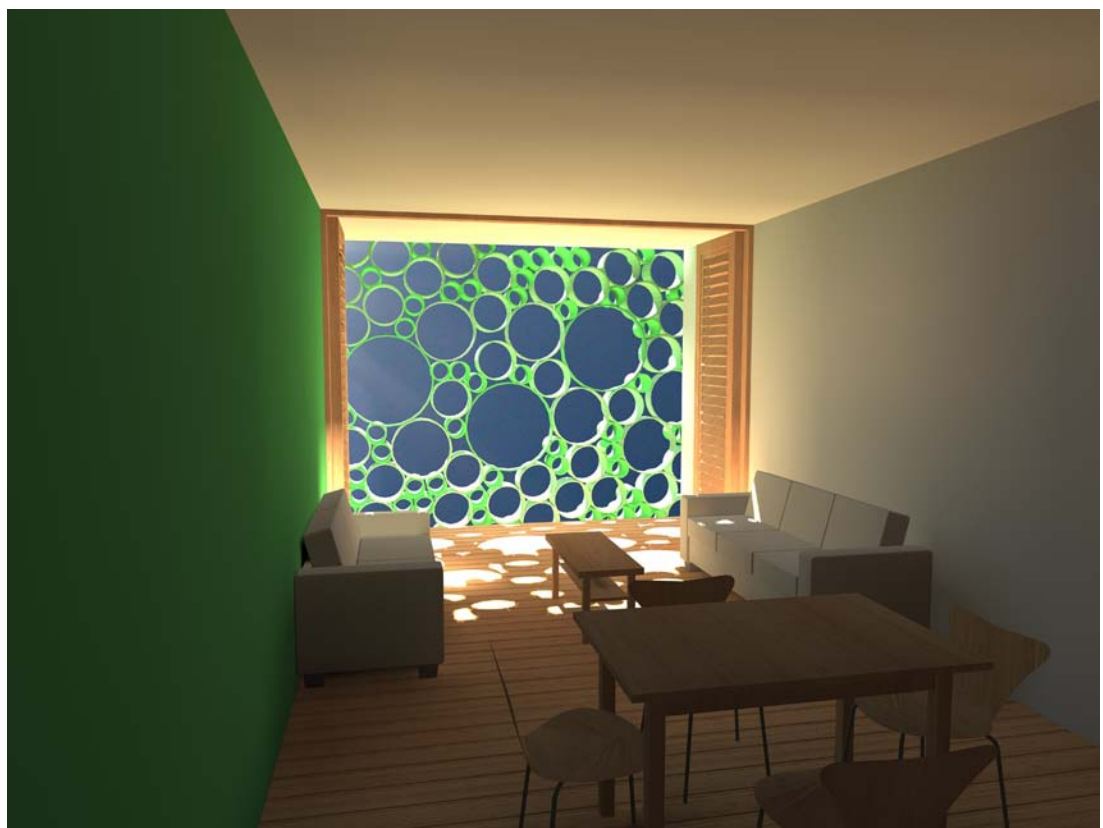
Upper Floor 1:50



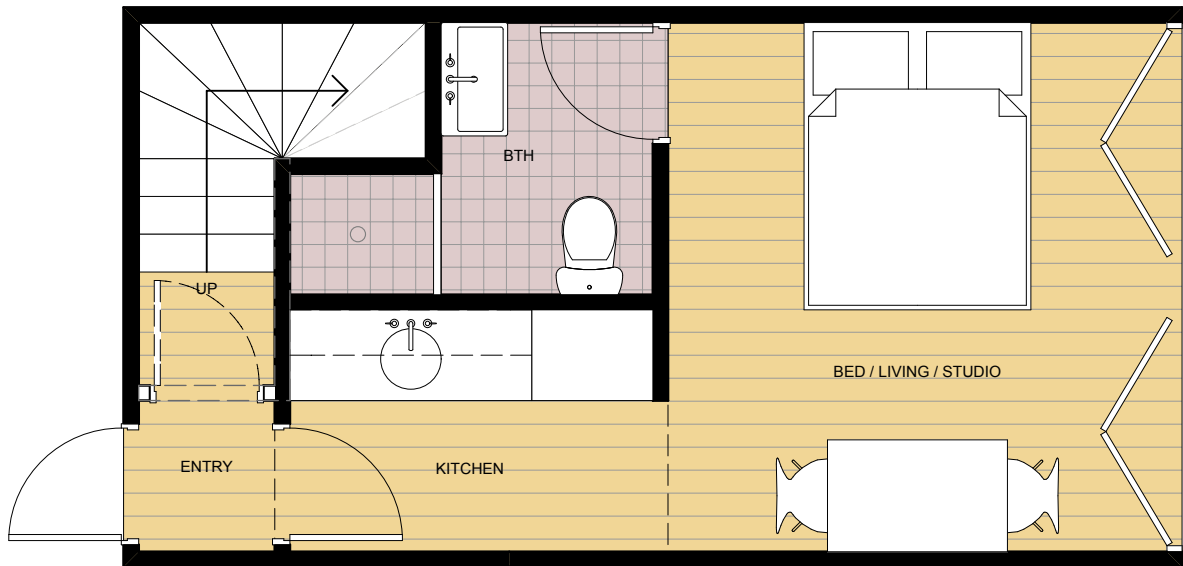
Lower Floor 1:50



2 Bed Apartment OR 1 Bed / Studio type 2



Upper Floor 1:50



Lower Floor 1:50



